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6320912, C1999-09-4260-054; 19990801.

Title

A dual geometry-topology constraint approach for determination of pseudo-swept shapes as applied to hexahedral **mesh generation**.

Author(s)Liu-S-S; Uicker-J-Jr; Gadh-R.**Author affiliation**

Dept of Mech Eng, Wisconsin Univ, Madison, WI, USA.

Source

Computer-Aided-Design (UK), vol.31, no.6, p.413-26, May 1999. , Published: Elsevier.

CODEN

CAIDA5.

ISSN

ISSN: 0010-4485, CCCC: 0010-4485/99/ (\$20.00).

Availability

SICI: 0010-4485(199905)31:6L.413:DGTC; 1-5

Electronic Journal Document Number: S0010-4485(99)00040-8.

Publication year

1999.

Language

EN.

Publication type

J Journal Paper.

Treatment codes

T Theoretical or Mathematical.

Abstract

The paper presents a pseudo-sweep algorithm to determine whether a given volume constitutes an approximately swept **shape** for the purpose of hexahedral finite element **mesh generation**. The pseudo-swept **shape** determination approach consists of three steps. Step 1: determining the source surface, **target** surface, and lateral surface of a given solid object B. Two requirements: topological and geometric requirements, are used to determine these three surfaces. Step 2: creating a submappable lateral surface. A submappable surface is one that allows the sweeping of a two dimensional quadrilateral **mesh** from the source surface to **target** surface. Step 3: modifying the topology of the source surface. If the topologies of the source and **target** surfaces are different, an approach called topology mapping is applied. The topology mapping approach maps the **target** surface to the source surface so that sweeping of quadrilateral **mesh** from the source surface to the **target**

surface is possible. Once the above three steps are applied, a hexahedral **mesh** is generated by sweeping a quadrilateral **mesh** from the source surface, along the lateral surface, to the **target** surface. (17 refs).

Descriptors

CAD; computational-geometry; mesh-generation; solid-modelling; topology.

Keywords

geometry topology constraint approach; pseudo swept shapes; hexahedral **mesh generation**; pseudo sweep algorithm; finite element **mesh generation**; solid **model**; topological requirements; geometric requirements; submappable lateral surface; two dimensional quadrilateral **mesh**; topology mapping; source surface; lateral surface; **target** surface.

Classification codes

C4260 (Computational geometry).
C4185 (Finite element analysis).
C6130B (Graphics techniques).

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Accession number & update

7973037, C2004-07-6130B-016; 20040501.

Title

Anisotropic polygonal remeshing.

Author(s)

[Alliez-P](#); [Cohen-Steiner-D](#); [Devillers-O](#); [Levy-B](#); [Desbrun-M](#).

Source

ACM SIGGRAPH 2003, San Diego, CA, USA, 27-31 July 2003.

In: ACM-Transactions-on-Graphics (USA), vol.22, no.3, p.485-93, July 2003.

CODEN

ATGRDF.

ISSN

ISSN: 0730-0301.

Availability

SICI: 0730-0301(200307)22:3L.485:APR; 1-E.

Publication year

2003.

Language

EN.

Publication type

CPP Conference Paper, J Journal Paper.

Treatment codes

P Practical.

Abstract

We propose a novel polygonal remeshing technique that exploits a key aspect of surfaces: the intrinsic anisotropy of natural or man-made geometry. In particular, we use curvature directions to drive the remeshing process, mimicking the lines that artists themselves would use when creating 3D models from scratch. After extracting and smoothing the curvature **tensor field** of an input genus-0 surface patch, lines of minimum and maximum curvatures are used to determine appropriate edges for the remeshed version in anisotropic regions, while spherical regions are simply point-sampled since there is no natural direction of symmetry locally. As a result our technique generates polygon meshes mainly composed of quads in anisotropic regions, and of triangles in spherical regions. Our approach provides the flexibility to produce meshes ranging from isotropic to anisotropic, from coarse to dense, and from

uniform to curvature adapted. (43 refs).

Descriptors

approximation-theory; computational-geometry; mesh-generation; solid-modelling.

Keywords

anisotropic polygonal remeshing; 3D model; surface remeshing; anisotropic sampling; polygon **mesh**;
approximation theory; computational geometry.

Classification codes

C6130B (Graphics techniques).

C4260 (Computational geometry).

C4130 (Interpolation and function approximation (numerical analysis)).



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2 RCS of arbitrarily-shaped targets with the TLM method

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Holland, R.; Cable, V.P.; Wilson, L.C.;

Electromagnetic Compatibility, IEEE Transactions on , Volume: 33 , Issue: 4 , 1991

Pages:281 - 294

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4 Using growing cell structures for surface reconstruction

Ivrissimtzis, I.V.; Jeong, W.-K.; Seidel, H.-P.;

Shape Modeling International, 2003 , 12-15 May 2003

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5 A thermal analysis model for high power density beam stops

Virostek, S.; Oshatz, D.; Staples, J.;

Particle Accelerator Conference, 2001. PAC 2001. Proceedings of the
2001 , Volume: 2 , 18-22 June 2001
Pages:1577 - 1579 vol.2

[\[Abstract\]](#) [\[PDF Full-Text \(308 KB\)\]](#) [IEEE CNF](#)

6 Surface control adjustment experiments on a mesh reflector antenna
Bailey, M.C.; Schroeder, L.C.; Campbell, T.G.;
Antennas and Propagation Society International Symposium, 1990. AP-S. 'Me
Technologies for the 90's'. Digest. , 7-11 May 1990
Pages:1868 - 1871 vol.4

[\[Abstract\]](#) [\[PDF Full-Text \(212 KB\)\]](#) [IEEE CNF](#)

7 Conformal microwave imaging for breast cancer detection
Dun Li; Meaney, P.M.; Paulsen, K.D.;
Microwave Theory and Techniques, IEEE Transactions on , Volume: 51 , Issue
4 , April 2003
Pages:1179 - 1186

[\[Abstract\]](#) [\[PDF Full-Text \(2441 KB\)\]](#) [IEEE JNL](#)

8 Coarse filters for shape matching
Corney, J.; Rea, H.; Clark, D.; Pritchard, J.; Breaks, M.; Macleod, R.;
Computer Graphics and Applications, IEEE , Volume: 22 , Issue: 3 , May-June
Pages:65 - 74

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9 A surface-based technique for warping three-dimensional images of brain
Thompson, P.; Toga, A.W.;
Medical Imaging, IEEE Transactions on , Volume: 15 , Issue: 4 , Aug. 1996
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10 Content-based mesh generation algorithm
Konyha, L.; Enyedi, B.; Tran, S.M.; Fazekas, K.;
Video/Image Processing and Multimedia Communications, 2003. 4th EURASIP
Conference focused on , Volume: 1 , 2-5 July 2003
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11 Extreme high speed microvia drilling of chip and wafer scale packa products
Lizotte, T.; Ohar, O.;
Electronics Manufacturing Technology Symposium, 2003. IEMT 2003.
IEEE/CPMT/SEMI 28th International , 16-18 July 2003
Pages:379 - 387

[\[Abstract\]](#) [\[PDF Full-Text \(681 KB\)\]](#) [IEEE CNF](#)

12 Local control for mesh morphing

Alexa, M.;
Shape Modeling and Applications, SMI 2001 International Conference on. , 7-
May 2001
Pages:209 - 215

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13 A shape-preserving data embedding algorithm for NURBS curves an surfaces

Ohbuchi, R.; Masuda, H.; Aono, M.;
Computer Graphics International, 1999. Proceedings , 7-11 June 1999
Pages:180 - 187

[\[Abstract\]](#) [\[PDF Full-Text \(548 KB\)\]](#) [IEEE CNF](#)

14 Model-based robotic visual servoing

Couvignou, P.A.; Papanikolopoulos, N.P.; Khosla, P.K.;
American Control Conference, 1995. Proceedings of the , Volume: 1 , 21-23 J
1995
Pages:898 - 903 vol.1

[\[Abstract\]](#) [\[PDF Full-Text \(524 KB\)\]](#) [IEEE CNF](#)

15 Derivation and application of conformal absorbing boundary condit in 3D scattering

Chatterjee, A.; Volakis, J.L.;
Antennas and Propagation Society International Symposium, 1994. AP-S.
Digest , Volume: 1 , 20-24 June 1994
Pages:398 - 401 vol.1

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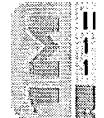
Maier, C.; Emmenegger, M.; Taschini, S.; Baltes, H.; Korvink, J.G.;
Computer-Aided Design of Integrated Circuits and Systems, IEEE Transaction on , Volume: 18 , Issue: 7 , July 1999
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IEEE/CPMT/SEMI 28th International , 16-18 July 2003

Pages:379 - 387

[\[Abstract\]](#) [\[PDF Full-Text \(681 KB\)\]](#) **IEEE CNF**

7 Derivation and application of conformal absorbing boundary conditions in 3D scattering

Chatterjee, A.; Volakis, J.L.;

Antennas and Propagation Society International Symposium, 1994. AP-S.

Digest , Volume: 1 , 20-24 June 1994

Pages:398 - 401 vol.1

[\[Abstract\]](#) [\[PDF Full-Text \(152 KB\)\]](#) **IEEE CNF**

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☐ Check to search within this result set**Results Key:****JNL** = Journal or Magazine **CNF** = Conference **STD** = Standard**1 High accuracy torque calculation for a rotating machine using adapt meshing***Miwa, M.; Dibben, D.; Yamada, T.;*

Magnetics, IEEE Transactions on , Volume: 40 , Issue: 2 , March 2004

Pages:1001 - 1004

[\[Abstract\]](#) [\[PDF Full-Text \(384 KB\)\]](#) IEEE JNL**2 Error estimation for transient finite element method using edge elements***Tani, K.; Yamada, T.; Kawase, Y.;*

Magnetics, IEEE Transactions on , Volume: 36 , Issue: 4 , July 2000

Pages:1488 - 1491

[\[Abstract\]](#) [\[PDF Full-Text \(172 KB\)\]](#) IEEE JNL**3 Thin film write head field analysis using a benchmark problem***Fujiwara, K.; Ikeda, F.; Kameari, A.; Kanai, Y.; Nakamura, K.; Takahashi, N.;*
K.; Yamada, T.;

Magnetics, IEEE Transactions on , Volume: 36 , Issue: 4 , July 2000

Pages:1784 - 1787

[\[Abstract\]](#) [\[PDF Full-Text \(116 KB\)\]](#) IEEE JNL**4 Dynamic analysis of linear actuator taking into account eddy current using finite element method and 3-D mesh coupling method***Tani, K.; Yamada, T.; Kawase, Y.;*

Magnetics, IEEE Transactions on , Volume: 35 , Issue: 3 , May 1999

Pages:1785 - 1788

[\[Abstract\]](#) [\[PDF Full-Text \(424 KB\)\]](#) IEEE JNL**5 A new technique for 3D dynamic finite element analysis of**

electromagnetic problems with relative movement

Tani, K.; Yamada, T.; Kawase, Y.;
Magnetics, IEEE Transactions on , Volume: 34 , Issue: 5 , Sept. 1998
Pages:3371 - 3374

[Abstract] [PDF Full-Text (532 KB)] IEEE JNL

6 H-version adaptive finite element method using edge element for 3D non-linear magnetostatic problems

Tani, K.; Yamada, T.;
Magnetics, IEEE Transactions on , Volume: 33 , Issue: 2 , March 1997
Pages:1756 - 1759

[Abstract] [PDF Full-Text (484 KB)] IEEE JNL

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1 RCS of arbitrarily-shaped targets with the TLM method

Khalladi, M.; Morente, J.A.; Porti, J.A.;

Antennas and Propagation, IEEE Transactions on , Volume: 42 , Issue: 6 , Jun 1994

Pages:891 - 893

[\[Abstract\]](#) [\[PDF Full-Text \(260 KB\)\]](#) **IEEE JNL**

2 Using growing cell structures for surface reconstruction

Ivrissimtzis, I.V.; Jeong, W.-K.; Seidel, H.-P.;

Shape Modeling International, 2003 , 12-15 May 2003

Pages:78 - 86

[\[Abstract\]](#) [\[PDF Full-Text \(983 KB\)\]](#) **IEEE CNF**

3 Content-based mesh generation algorithm

Konyha, L.; Enyedi, B.; Tran, S.M.; Fazekas, K.;

Video/Image Processing and Multimedia Communications, 2003. 4th EURASIP Conference focused on , Volume: 1 , 2-5 July 2003

Pages:175 - 180 vol.1

[\[Abstract\]](#) [\[PDF Full-Text \(422 KB\)\]](#) **IEEE CNF**

4 Derivation and application of conformal absorbing boundary conditions in 3D scattering

Chatterjee, A.; Volakis, J.L.;

Antennas and Propagation Society International Symposium, 1994. AP-S. Digest , Volume: 1 , 20-24 June 1994

Pages:398 - 401 vol.1

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<input type="checkbox"/>	L15	L14 and target and shape	17
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<input type="checkbox"/>	L13	L12 and tensor field	1
<input type="checkbox"/>	L12	L11 and (mesh near generat\$)	62
<input type="checkbox"/>	L11	L5 and generat\$	9547
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<input type="checkbox"/>	L1	mesh generation and target and shape	42

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File: PGPB

Sep 9, 2004

PGPUB-DOCUMENT-NUMBER: 20040175031

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040175031 A1

TITLE: Image processing apparatus and pattern extraction apparatus

PUBLICATION-DATE: September 9, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Katsuyama, Yutaka	Kanagawa		JP	

US-CL-CURRENT: 382/165; 382/176

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. D
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☐ 2. Document ID: US 20040159366 A1

L15: Entry 2 of 17

File: PGPB

Aug 19, 2004

PGPUB-DOCUMENT-NUMBER: 20040159366

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040159366 A1

TITLE: Multiple plasma generator hazardous waste processing system

PUBLICATION-DATE: August 19, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Tsangaris, Andreas V.	Ottawa		CA	
Carter, George W.	Ottawa		CA	
Shen, Jesse Z.	Ottawa		CA	
Feasby, D. Michael	Ottawa		CA	
Campbell, Kenneth C.	Kitchener		CA	

US-CL-CURRENT: 141/59

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. D
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☐ 3. Document ID: US 20040153079 A1

L15: Entry 3 of 17

File: PGPB

Aug 5, 2004

PGPUB-DOCUMENT-NUMBER: 20040153079

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040153079 A1

TITLE: Methods for determining meniscal size and shape and for devising treatment

PUBLICATION-DATE: August 5, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Tsougarakis, Konstantinos	Mountain View	CA	US	
Steines, Daniel	Palo Alto	CA	US	
Vissa, Bhaskar Rao	San Jose	CA	US	
Lang, Philipp	Lexington	MA	US	
Linder, Barry J.	Danville	CA	US	

US-CL-CURRENT: 606/77; 128/898, 600/407

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 4. Document ID: US 20040147927 A1

L15: Entry 4 of 17

File: PGPB

Jul 29, 2004

PGPUB-DOCUMENT-NUMBER: 20040147927

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040147927 A1

TITLE: Methods for determining meniscal size and shape and for devising treatment

PUBLICATION-DATE: July 29, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Tsougarakis, Konstantinos	Mountain View	CA	US	
Steines, Daniel	Palo Alto	CA	US	
Vissa, Bhaskar Rao	San Jose	CA	US	
Lang, Philipp	Lexington	MA	US	
Linder, Barry J.	Danville	CA	US	

US-CL-CURRENT: 606/53; 623/20.14

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 5. Document ID: US 20040108999 A1

L15: Entry 5 of 17

File: PGPB

Jun 10, 2004

PGPUB-DOCUMENT-NUMBER: 20040108999
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20040108999 A1

TITLE: System and method for performing domain decomposition for multiresolution surface analysis

PUBLICATION-DATE: June 10, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Martin, Ioana M.	Pelham Manor	NY	US	

US-CL-CURRENT: 345/423

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWC	Draw D
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☐ 6. Document ID: US 20040009459 A1

L15: Entry 6 of 17

File: PGPB

Jan 15, 2004

PGPUB-DOCUMENT-NUMBER: 20040009459
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20040009459 A1

TITLE: Simulation system for medical procedures

PUBLICATION-DATE: January 15, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Anderson, James H.	Cloumbia	MD	US	
Venbrux, Anthony C.	Washington	DC	US	
Murphy, Kieran P.	Baltimore	MD	US	
Solaiyappan, Meiyappan	Ellicott City	MD	US	
Chui, Chee-Kong	Singapore		SG	
Li, Zirui	Singapore		SG	
Ma, Xin	Singapore		SG	
Wang, Zhen L.	Singapore		SG	
Teo, Jeremy	Singapore		SG	

US-CL-CURRENT: 434/262; 703/11

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWC	Draw D
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☐ 7. Document ID: US 20020095276 A1

L15: Entry 7 of 17

File: PGPB

Jul 18, 2002

PGPUB-DOCUMENT-NUMBER: 20020095276
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020095276 A1

TITLE: Intelligent modeling, transformation and manipulation system

PUBLICATION-DATE: July 18, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Rong, Li	Waterloo		CA	
Wong, Andrew K.C.	Waterloo		CA	

US-CL-CURRENT: 703/2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMMC	Draw D
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☐ 8. Document ID: US 20020042697 A1

L15: Entry 8 of 17

File: PGPB

Apr 11, 2002

PGPUB-DOCUMENT-NUMBER: 20020042697

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020042697 A1

TITLE: Mesh generation system, design support system, analysis system, analysis method, mesh generation method, and storage medium and program transmission apparatus therefor

PUBLICATION-DATE: April 11, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Yamada, Atsushi	Yokohama-shi		JP	
Inoue, Keisuke	Sagamihara-shi		JP	
Itoh, Takayuki	Kawasaki-shi		JP	

US-CL-CURRENT: 703/2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMMC	Draw D
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☐ 9. Document ID: US 20010033675 A1

L15: Entry 9 of 17

File: PGPB

Oct 25, 2001

PGPUB-DOCUMENT-NUMBER: 20010033675

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20010033675 A1

TITLE: Wavelet-based facial motion capture for avatar animation

PUBLICATION-DATE: October 25, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Maurer, Thomas	Los Angeles	CA	US	
Elagin, Egor Valerievich	Los Angeles	CA	US	

Nocera, Luciano Pasquale Agostino	Los Angeles	CA	US
Steffens, Johannes Bernhard	Culver City	CA	US
Neven, Hartmut	Santa Monica	CA	US

US-CL-CURRENT: 382/103

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 10. Document ID: US 6771813 B1

L15: Entry 10 of 17

File: USPT

Aug 3, 2004

US-PAT-NO: 6771813

DOCUMENT-IDENTIFIER: US 6771813 B1

TITLE: Image processing apparatus and pattern extraction apparatus

DATE-ISSUED: August 3, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Katsuyama; Yutaka	Kanagawa			JP

US-CL-CURRENT: 382/165; 345/589, 382/194

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 11. Document ID: US 6580811 B2

L15: Entry 11 of 17

File: USPT

Jun 17, 2003

US-PAT-NO: 6580811

DOCUMENT-IDENTIFIER: US 6580811 B2

TITLE: Wavelet-based facial motion capture for avatar animation

DATE-ISSUED: June 17, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Maurer; Thomas	Los Angeles	CA		
Elagin; Egor Valerievich	Los Angeles	CA		
Nocera; Luciano Pasquale Agostino	Los Angeles	CA		
Steffens; Johannes Bernhard	Culver City	CA		
Neven; Hartmut	Santa Monica	CA		

US-CL-CURRENT: 382/103; 348/169

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 12. Document ID: US 6297825 B1

L15: Entry 12 of 17

File: USPT

Oct 2, 2001

US-PAT-NO: 6297825

DOCUMENT-IDENTIFIER: US 6297825 B1

TITLE: Temporal smoothing of scene analysis data for image sequence generation

DATE-ISSUED: October 2, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Madden; Paul B.	Acton	MA		
Cobb; Wesley K.	Attleboro	MA		
Schott; Jean-Pierre	Weston	MA		
Askey; David	Carlisle	MA		
Eyring; Kenneth J.	Centerport	NY		

US-CL-CURRENT: 345/419; 345/589

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstract	Alphabetical	Claims	KWIC	Drawings
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☐ 13. Document ID: US 6272231 B1

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File: USPT

Aug 7, 2001

US-PAT-NO: 6272231

DOCUMENT-IDENTIFIER: US 6272231 B1

TITLE: Wavelet-based facial motion capture for avatar animation

DATE-ISSUED: August 7, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Maurer; Thomas	Los Angeles	CA		
Elagin; Egor Valerievich	Los Angeles	CA		
Nocera; Luciano Pasquale Agostino	Los Angeles	CA		
Steffens; Johannes Bernhard	Culver City	CA		
Neven; Hartmut	Santa Monica	CA		

US-CL-CURRENT: 382/103; 382/118, 382/209, 382/276

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstract	Alphabetical	Claims	KWIC	Drawings
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☐ 14. Document ID: US 6251072 B1

L15: Entry 14 of 17

File: USPT

Jun 26, 2001

US-PAT-NO: 6251072

DOCUMENT-IDENTIFIER: US 6251072 B1

TITLE: Semi-automated segmentation method for 3-dimensional ultrasound

DATE-ISSUED: June 26, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ladak; Hanif M.	Brantford			CA
Gill; Jeremy D.	London			CA
Steinman; David A.	London			CA
Fenster; Aaron	London			CA

US-CL-CURRENT: 600/443; 128/916

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequence	Attachment	Claims	KWIC	Draw De
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☐ 15. Document ID: US 5946479 A

L15: Entry 15 of 17

File: USPT

Aug 31, 1999

US-PAT-NO: 5946479

DOCUMENT-IDENTIFIER: US 5946479 A

TITLE: Method and device for generating mesh for use in numerical analysis

DATE-ISSUED: August 31, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Sakaguchi; Masaya	Neyagawa			JP
Mizoh; Yoshiaki	Neyagawa			JP

US-CL-CURRENT: 716/20; 703/1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequence	Attachment	Claims	KWIC	Draw De
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☐ 16. Document ID: US 5940310 A

L15: Entry 16 of 17

File: USPT

Aug 17, 1999

US-PAT-NO: 5940310

DOCUMENT-IDENTIFIER: US 5940310 A

TITLE: Device, method and storage medium for calculating electromagnetic field strength

DATE-ISSUED: August 17, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Yamaguchi; Shinya	Kawasaki			JP
Nakao; Tomoyuki	Kawasaki			JP
Ohtsu; Shinichi	Kawasaki			JP

Mukai; Makoto

Kawasaki

JP

US-CL-CURRENT: 703/4; 703/5, 703/6

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequence	Attachments	Claims	KMIC	Draw D
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☐ 17. Document ID: US 5264948 A

L15: Entry 17 of 17

File: USPT

Nov 23, 1993

US-PAT-NO: 5264948

DOCUMENT-IDENTIFIER: US 5264948 A

TITLE: Image read device

DATE-ISSUED: November 23, 1993

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Imoto; Yoshiya	Kanagawa			JP

US-CL-CURRENT: 358/474; 355/55, 358/487

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequence	Attachments	Claims	KMIC	Draw D
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Apr 11, 2002

PGPUB-DOCUMENT-NUMBER: 20020042697

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020042697 A1

TITLE: Mesh generation system, design support system, analysis system, analysis method, mesh generation method, and storage medium and program transmission apparatus therefor

PUBLICATION-DATE: April 11, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Yamada, Atsushi	Yokohama-shi		JP	
Inoue, Keisuke	Sagamihara-shi		JP	
Itoh, Takayuki	Kawasaki-shi		JP	

US-CL-CURRENT: 703/2

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File: PGPB

Aug 28, 2003

PGPUB-DOCUMENT-NUMBER: 20030160622

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030160622 A1

TITLE: Method and apparatus for noise tomography

PUBLICATION-DATE: August 28, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Duensing, G. Randy	Gainesville	FL	US	
Saylor, Charles	Gainesville	FL	US	
Huang, Feng	Gainesville	FL	US	

US-CL-CURRENT: [324/691](#); [374/137](#), [702/130](#), [702/57](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 2. Document ID: US 20020042697 A1

L9: Entry 2 of 3

File: PGPB

Apr 11, 2002

PGPUB-DOCUMENT-NUMBER: 20020042697

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020042697 A1

TITLE: Mesh generation system, design support system, analysis system, analysis method, mesh generation method, and storage medium and program transmission apparatus therefor

PUBLICATION-DATE: April 11, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Yamada, Atsushi	Yokohama-shi		JP	
Inoue, Keisuke	Sagamihara-shi		JP	
Itoh, Takayuki	Kawasaki-shi		JP	

US-CL-CURRENT: [703/2](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 3. Document ID: US 5625578 A

L9: Entry 3 of 3

File: USPT

Apr 29, 1997

US-PAT-NO: 5625578

DOCUMENT-IDENTIFIER: US 5625578 A

TITLE: PCB simulation on basis of reduced equivalent circuit

DATE-ISSUED: April 29, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Du Cloux; Rene	Eindhoven			NL
Maas; Godefridus P. J. F. M.	Eindhoven			NL
Wachters; Arthur J. H.	Eindhoven			NL
Milsom; Robert F.	Redhill			GB3
Scott; Kevin J.	Horley			GB3

US-CL-CURRENT: 703/2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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Fwd Refs

Bkwd Refs

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Term	Documents
TENSOR	3148
TENSORS	495
(6 AND TENSOR).PGPB,USPT.	3
(L6 AND TENSOR).PGPB,USPT.	3

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Search Results - Record(s) 1 through 4 of 4 returned.

☐ 1. Document ID: US 20020095276 A1

Using default format because multiple data bases are involved.

L7: Entry 1 of 4

File: PGPB

Jul 18, 2002

PGPUB-DOCUMENT-NUMBER: 20020095276

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020095276 A1

TITLE: Intelligent modeling, transformation and manipulation system

PUBLICATION-DATE: July 18, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Rong, Li	Waterloo		CA	
Wong, Andrew K.C.	Waterloo		CA	

US-CL-CURRENT: 703/2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw De
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☐ 2. Document ID: US 20020042697 A1

L7: Entry 2 of 4

File: PGPB

Apr 11, 2002

PGPUB-DOCUMENT-NUMBER: 20020042697

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020042697 A1

TITLE: Mesh generation system, design support system, analysis system, analysis method, mesh generation method, and storage medium and program transmission apparatus therefor

PUBLICATION-DATE: April 11, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Yamada, Atsushi	Yokohama-shi		JP	
Inoue, Keisuke	Sagamihara-shi		JP	
Itoh, Takayuki	Kawasaki-shi		JP	

US-CL-CURRENT: 703/2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw De
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☐ 3. Document ID: US 6251072 B1

L7: Entry 3 of 4

File: USPT

Jun 26, 2001

US-PAT-NO: 6251072

DOCUMENT-IDENTIFIER: US 6251072 B1

TITLE: Semi-automated segmentation method for 3-dimensional ultrasound

DATE-ISSUED: June 26, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ladak; Hanif M.	Brantford			CA
Gill; Jeremy D.	London			CA
Steinman; David A.	London			CA
Fenster; Aaron	London			CA

US-CL-CURRENT: 600/443; 128/916

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequence	Attachment	Claims	KWIC	Draw De
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☐ 4. Document ID: US 5946479 A

L7: Entry 4 of 4

File: USPT

Aug 31, 1999

US-PAT-NO: 5946479

DOCUMENT-IDENTIFIER: US 5946479 A

TITLE: Method and device for generating mesh for use in numerical analysis

DATE-ISSUED: August 31, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Sakaguchi; Masaya	Neyagawa			JP
Mizoh; Yoshiaki	Neyagawa			JP

US-CL-CURRENT: 716/20; 703/1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequence	Attachment	Claims	KWIC	Draw De
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Term	Documents
TARGET	367006
TARGETS	87869
SHAPE	1364797

SHAPES	390175
(6 AND TARGET AND SHAPE).PGPB,USPT.	4
(L6 AND TARGET AND SHAPE).PGPB,USPT.	4

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Search Results - Record(s) 1 through 6 of 6 returned.

☐ 1. Document ID: US 20040075659 A1

Using default format because multiple data bases are involved.

L4: Entry 1 of 6

File: PGPB

Apr 22, 2004

PGPUB-DOCUMENT-NUMBER: 20040075659

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040075659 A1

TITLE: Linear anisotropic mesh filtering

PUBLICATION-DATE: April 22, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Taubin, Gabriel	Hartsdale	NY	US	

US-CL-CURRENT: 345/428

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw D
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☐ 2. Document ID: US 20020042697 A1

L4: Entry 2 of 6

File: PGPB

Apr 11, 2002

PGPUB-DOCUMENT-NUMBER: 20020042697

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020042697 A1

TITLE: Mesh generation system, design support system, analysis system, analysis method, mesh generation method, and storage medium and program transmission apparatus therefor

PUBLICATION-DATE: April 11, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Yamada, Atsushi	Yokohama-shi		JP	
Inoue, Keisuke	Sagamihara-shi		JP	
Itoh, Takayuki	Kawasaki-shi		JP	

US-CL-CURRENT: 703/2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw D
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☐ 3. Document ID: US 6259453 B1

L4: Entry 3 of 6

File: USPT

Jul 10, 2001

US-PAT-NO: 6259453

DOCUMENT-IDENTIFIER: US 6259453 B1

TITLE: Meshing method and apparatus

DATE-ISSUED: July 10, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Itoh; Takayuki	Kawasaki			JP
Inoue; Keisuke	Sagamihara			JP
Yamada; Atsushi	Yokohama			JP
Furuhata; Tomotake	Yokohama			JP

US-CL-CURRENT: 345/423

Full	Title	Citation	Front	Review	Classification	Date	Reference	Search	Attachments	Claims	KWIC	Draw
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☐ 4. Document ID: US 6192293 B1

L4: Entry 4 of 6

File: USPT

Feb 20, 2001

US-PAT-NO: 6192293

DOCUMENT-IDENTIFIER: US 6192293 B1

TITLE: System for meshing curved surface by generating and controlling the number of bubbles in parametric space

DATE-ISSUED: February 20, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Yamada; Atsushi	Yokohama			JP
Inoue; Keisuke	Sagamihara			JP
Ito; Takayuki	Kawasaki			JP
Furuhata; Tomotake	Yokohama			JP

US-CL-CURRENT: 700/182; 382/203, 700/118, 700/169, 700/187

Full	Title	Citation	Front	Review	Classification	Date	Reference	Search	Attachments	Claims	KWIC	Draw
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☐ 5. Document ID: US 6124857 A

L4: Entry 5 of 6

File: USPT

Sep 26, 2000

US-PAT-NO: 6124857

DOCUMENT-IDENTIFIER: US 6124857 A

TITLE: Meshing method and apparatus

DATE-ISSUED: September 26, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Itoh; Takayuki	Kawasaki			JP
Inoue; Keisuke	Sagamihara			JP
Yamada; Atsushi	Yokohama			JP
Shimada; Kenji	Pittsburgh	PA		

US-CL-CURRENT: 345/423

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequence	Attachments	Claims	KWIC	Draw De
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☐ 6. Document ID: US 6121973 A

L4: Entry 6 of 6

File: USPT

Sep 19, 2000

US-PAT-NO: 6121973

DOCUMENT-IDENTIFIER: US 6121973 A

TITLE: Quadrilateral mesh generation method and apparatus

DATE-ISSUED: September 19, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Itoh; Takayuki	Kawasaki			JP
Furuhata; Tomotake	Yokohama			JP
Shimada; Kenji	Pittsburgh	PA		

US-CL-CURRENT: 345/423

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequence	Attachments	Claims	KWIC	Draw De
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Generate Collection

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Fwd Refs

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Term	Documents
MESH	243802
MESHES	49835
GENERATION	513451
GENERATIONS	28447
TENSOR	3148
TENSORS	495
FIELD	2496166
FIELDS	327291
((TENSOR ADJ FIELD) AND (MESH ADJ	

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Search Results - Record(s) 1 through 2 of 2 returned.

☐ 1. Document ID: US 20020042697 A1

Using default format because multiple data bases are involved.

L3: Entry 1 of 2

File: PGPB

Apr 11, 2002

PGPUB-DOCUMENT-NUMBER: 20020042697

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020042697 A1

TITLE: Mesh generation system, design support system, analysis system, analysis method, mesh generation method, and storage medium and program transmission apparatus therefor

PUBLICATION-DATE: April 11, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Yamada, Atsushi	Yokohama-shi		JP	
Inoue, Keisuke	Sagamihara-shi		JP	
Itoh, Takayuki	Kawasaki-shi		JP	

US-CL-CURRENT: 703/2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw De
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☐ 2. Document ID: US 6618694 B1

L3: Entry 2 of 2

File: USPT

Sep 9, 2003

US-PAT-NO: 6618694

DOCUMENT-IDENTIFIER: US 6618694 B1

TITLE: Method, apparatus and computer program product for forming data to be analyzed by finite element method and calculation method based on finite element method

DATE-ISSUED: September 9, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Shibuya, Akinobu	Tokyo			JP
Matsui, Kouji	Tokyo			JP
Matsuyama, Hidehito	Kanagawa			JP

US-CL-CURRENT: 703/1; 703/2